

In the Claims

Applicants have submitted a new complete claim set indicating marked-up claims with insertions and deletions indicated by underlining and strikeouts, respectively.

Please cancel claims 1, 2, 5-14, 17-19 and 23-123, without prejudice or disclaimer.

Please amend pending claims 3, 4, 15, 16, and 20-22 as noted below.

1-2. (Cancelled)

132 3. (Currently amended): The method of claim + 22, wherein the patient is susceptible to but does not exhibit symptoms of Alzheimer's disease ~~the conditions~~.

4. (Currently amended): The method of claim + 22, wherein the patient exhibits symptoms of Alzheimer's disease ~~the conditions~~.

5-14. (Cancelled)

15. (Currently amended): A method as in claim + 22, wherein the patient is free of indication for treatment for central nervous system neuronal damage, as caused by aggregate formation. ✓

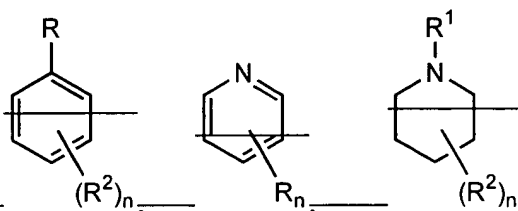
16. (Currently amended): A method as in claim 15, ~~comprising administering the composition to a patient~~ wherein the patient is free of symptoms of dementia. ✓

17-19. (Cancelled)

20. (Currently amended): The method of claim + 22, comprising promoting treating the patient with at least two different compositions effective against at least two different stages of Alzheimer's disease ~~the condition~~.

21. (Currently amended): The method of claim 4 22, further comprising promoting treating the patient with a dose of normal DNA or RNA bases.

22. (Currently amended): A method comprising:
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(promoting the ~~prevention~~ inhibition or treatment of a disease caused by beta-amyloid aggregate formation in a patient susceptible to or exhibiting symptoms of) Alzheimer's disease via administration to the patient of a composition comprising physostigmine having a high net polarization and comprising a structure selected from the group consisting of:


_____ a five membered ring including at least one heteroatom, at least two rings bridged by at least one atom, at least two rings bonded directly to each other, a ring containing at least one carbonyl, and an alkyl chain;

_____ wherein R and R² can be the same or different and each is a substituent of an organic group or chlorine, n is an integer greater than 0 and no more than 6 and each R can be the same or different and each R² can be the same or different; R¹ is a substituent of an organic group or hydrogen; any ring structure optionally including at least one carbon-carbon double bond; any ring structure optionally including at least one heteroatom selected from the group consisting of a carbonyl, nitrogen, oxygen and sulfur; each substituent being arranged so as to create polarity in the structure.

23-123. (Cancelled)